

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	("4313407" "6578778").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/12 14:26
S2	965	(239/533.12).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/12 14:33
S3	3	("20040178286" "4699323" "5662277").PN. OR ("7472845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 14:37
S4	574	nguyen-din\$.\$.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 14:46
S5	106	("20010017325" "20020008166" "20020092929" "20020144671" "20020170987" "20030127540" "20030127547" "20030141385" "20030141387" "20030173430" "20030234005" "20040050976" "20040060538" "20040104285" "20040129806" "3326191" "4018387" "4106702" "4139158" "4254915" "4275845" "4346848" "4540126" "4647013" "4650122" "4666088"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 14:55

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		"6666388" "6669103" "6669116" "6685112" "6695229" "6705274" "6708904" "6708905" "6708907" "6712037" "6719223" "6722340" "6739525" "6742727" "6758420" "6764033" "6766969" "6783085" "6817545" "6848635" "6848636" "6921022" "6929196" "6966499").PN. OR ("7137577").URPN.				
S6	21	("4907748" "5285970" "5762272" "5924634" "6070812" "6089476").PN. OR ("6439484").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:05
S7	46	("4907748" "4925111" "4934605" "5193747" "5244154" "5273215" "5323966" "5492277").PN. OR ("5636796").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:27

S8	33	("0335334" "0600687" "2737831" "2846902" "4072039" "4923169" "4970926" "5002231" "5201806" "5335864" "5344081" "5350119" "5365819" "5553397" "5636796" "5697154" "5730368" "5746376" "5816093" "5931391" "6009787" "6039271" "6070812" "6089476" "6131826").PN. OR ("6948665").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:33
S9	14	("3223331" "4699323" "5174505" "5395050" "5636796" "5662277" "5826804" "5924634" "6170763").PN. OR ("6783087").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:37
S10	7	("4699323" "5540200" "6089476" "6186418" "6783087" "6814312").PN. OR ("7100848").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:38
S11	39	("2382151" "2995123" "4057190" "4218021" "4519370").PN. OR ("4699323").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:40

S12	3	("20040178286" "4699323" "5662277").PN. OR ("7472845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:41
S13	18	("4657189" "4699323" "4773374" "4813610" "4854024" "4971948").PN. OR ("5016819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:46
S14	34	("1657372" "2188354" "3402893" "3711031" "4018387" "4080700" "4586226" "4639568" "4703142" "4721839" "4907748" "4995949" "5012983" "5016819" "5092039" "5263648").PN. OR ("5911366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 15:47
S15	8	("4877004" "4890794" "6089476" "Re33841").PN. OR ("6308684").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 16:17
S16	607	(239/596).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/12 17:07
S17	18	("4519370" "4566634" "5035358" "5193743" "5197672" "5207383" "5395050" "5437413" "5540387").PN. OR ("5826804").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 08:04

S18	15	("3684186" "4821963" "5174505" "5193743" "5315973" "5323966" "5365902" "5395050" "5533481" "5556034" "5577666" "5680992" "5704551" "5713327" "5826804").PN. OR ("6045054").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 08:05
S19	4	("5449121" "5649665" "5649665" "6131826" "6131826" "7306173").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 08:20
S20	4	("20070259121" "5373993" "5478651" "5772124").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 08:22
S21	4	("20020038825" "20080105767" "5934571" "6991188").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 08:27
S22	970	(239/597).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 08:32
S23	10	("20040124279" "20040178286" "5383597" "5553790" "6318641" "6405946" "6439484" "6616072" "6644565").PN. OR ("7159802").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 08:34

S24	214	(239/599).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 09:10
S25	53	("0705530" "1756965" "2724583" "2901223" "3528704" "3713699" "3785560" "3893628" "3961486" "4123800" "4185706" "4187921" "4236674" "4262757" "4378853" "4391339" "4392534" "4436166" "4494618" "4497664" "4512420" "4519423" "4542798" "4567954" "4582149" "4603750" "4623027" "4687066" "4776412" "4792284" "4794995" "4813611" "4886131" "4957242" "5071195" "5101918" "5170946" "5205648" "5494124" "5632349" "5653298" "5785258").PN. OR ("6065683").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 09:28

S26	284	(239/598).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 09:33
S27	1227	(239/601).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 09:37
S28	17	("2270595" "2642314" "3212719" "3830691" "3913845" "4582259" "4706889" "4709713" "4735222" "5507877" "5571560" "5660196" "5850841" "6062056").PN. OR ("7621286").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 09:38
S29	39	("20040026528" "20050087631" "2235258" "2249205" "2335116" "2551538" "2941696" "3033472" "3045925" "3125298" "3542296" "3986672" "4783008" "4824017" "4854504" "4925104" "4948048" "5067515" "5085370" "5088649" "5358179" "5516045" "5540200" "5779156" "5890661" "6042025"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 09:40

		"6113013" "6322008" "6824077" "RE30486").PN. OR ("7219849").URPN.				
S30	29	("2249205" "2335116" "2551538" "2941696" "3033472" "3045925" "3542296" "3986672" "4824017" "4854504" "4925104" "4948048" "5067515" "5085370" "5088649" "5516045" "5540200" "5704548" "Re30486").PN. OR ("6322008").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 09:41
S31	29	("2249205" "2335116" "2551538" "2941696" "3033472" "3045925" "3542296" "3986672" "4824017" "4854504" "4925104" "4948048" "5067515" "5085370" "5088649" "5516045" "5540200" "5704548" "Re30486").PN. OR ("6322008").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 10:53
S32	25	("1494020" "4570598" "4621772" "4646974" "4699323").PN. OR ("5540200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 10:55

S33	11	("3093310" "3993030" "4813610" "4860700" "5291869" "5540200" "5586726" "5860394" "6065691" "6334434").PN. OR ("6578544").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 10:57
S34	11	("2785926" "3730437" "4790485" "5080286" "5088649" "5249747" "5358179").PN. OR ("5890661").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 10:59
S35	425	(239/305).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 11:20
S36	1224	(123/305).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 11:20
S37	4640	(123/294-305).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 11:23
S38	765	(239/543).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 11:32

S39	58	("20040026535" "20040102349" "20040235125" "20040259222" "20050003504" "20050003985" "20050009167" "20050026269" "3158615" "3269389" "4260077" "4524009" "4639325" "4668887" "4773562" "4816553" "4964539" "4985553" "4989758" "5062550" "5102016" "5223245" "5289950" "5356607" "5391324" "5398846" "5480718" "5494488" "5501814" "5541316" "5580941" "5720983" "5739091" "5744439" "5821360" "5830956" "5873494" "5911909" "5921440" "5959101" "5972239" "5972873" "6187055" "6247617" "6283316" "6288015" "6341716" "6362154" "6419783" "6423573" "6440924" "6521584" "6541233" "6685041"	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 11:32
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		"6689223" "6758411").PN. OR ("7448556").URPN.				
S40	0	nguyen-sdin\$-q.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 11:40
S41	428	nguyen-din\$-q.xp.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 11:40
S42	1787	S37 and (orifice or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 11:49
S43	378	S42 and (imping\$3 or collid\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 11:50
S44	10	("20040124279" "20040178286" "5383597" "5553790" "6318641" "6405946" "6439484" "6616072" "6644565").PN. OR ("7159802").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/01 10:28
S45	976	(239/533.12).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:20
S46	613	(239/596).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:23
S47	0	kuronita-tokuji-\$-in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/20 17:26
S48	14	kuronita-tokuji.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/20 17:27

S49	408	sasaki-satoru.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/20 17:29
S50	979	(239/597).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:31
S51	215	(239/599).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:32
S52	285	(239/598).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:33
S53	1242	(239/601).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:34
S54	767	(239/543).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:47
S55	1253	(123/305).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/20 17:48

S56	0	((fuel with injection) and (hole with group with two with holes with diameter increasing with toward with adjacent) and (diameter with maximized with outer with opening with two with adjacent with holes) and (intersects with first with hole with first with second with edge) and (intersects with second with hole with first with second with edge)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/20 17:52
S58	10	("1494020" "4202500" "4546739" "4699323" "5540200" "5556034" "6513487" "6564772" "6758407").PN. OR ("7201334").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 10:11
S59	113	("1494020" "2382151" "2995123" "3831846" "4057190" "4202500" "4218021" "4519370" "4546739" "4570598" "4570853" "4621772" "4646974" "4699323" "5540200" "5899389" "6220528").PN. OR ("1494020" "4202500" "4699323" "5540200" "6758407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 10:12

S60	21	"20050120995" "20050189440" "20050224606" "4919093" "5054456" "6279840" "6338445" "6467702" "6553960" "6616070" "6644268" "6659074" "6758407" "6758415" "6971592" "7032566" "7044406" "7063272" "7143738" "7143964" "7159799").PN. OR ("7347182").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 10:40
S61	39	"1468370" "1529531" "1833080" "1966223" "1988754" "20020083920" "2618928" "3892208" "4057190" "4548172" "4919093" "4932374" "5315973" "5373694" "5931391" "6070812" "6089476" "6161780" "6186418" "6382179" "6434945" "6553960" "6616070" "6644268" "6742493" "6832594" "6840209" "6854438").PN. OR ("7032566").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 10:43

S62	17	("4285471" "4526323" "4546739" "4548172" "4733643").PN. OR ("4919093").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 10:45
S63	79	vogel-manfred.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 10:51
S64	797	(123/467).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/01 10:54
S65	685	(123/276).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/01 14:41
S66	1230	(123/299).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/01 15:12
S67	40	("1260408" "1977005" "1988754" "2071062" "2345256" "2757967" "2779320" "3195520" "4275844").PN. OR ("4548172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 15:28
S68	90	herden-werner.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 16:09
S69	5	Ecker-rainer.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/01 16:12

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

S57	0	((fuel with injection) and (hole with group with two with holes with diameter increasing with toward with adjacent) and (diameter with maximized with outer with opening with two with adjacent with holes) and (intersects with first with hole with first with second with edge) and (intersects with second with hole with first with second with edge)). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/06/20 17:54
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11/ 7/ 2010 8:46:34 PM**C:\ Documents and Settings\ dnguyen10\ My Documents\ EAST\ Workspaces\ 10588181.wsp**